Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

10/716,341

Examiner

YOUNGNER ET AL.

Art Unit

EUNCHA P. CHERRY

2872

| √  | Rejected |
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| 11 | Allowed  |

(Through numeral)
Cancelled

Restricted

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| _ | Interference |

| A | Appeal   |
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| CI  | aim      | Date     |               |                |                         |              | ]        | Claim Date |          |          |   |                 |          |  | CI       | aim      | Date      |          |                 |                 |           |      |       |            |              |                 |          |  |            |              |          |          |           |
|---|----------|----------|---------------|----------------|-------------------------|--------------|----------|------------|----------|----------|---|-----------------|----------|--|----------|----------|-----------|----------|-----------------|-----------------|-----------|------|-------|------------|--------------|-----------------|----------|--|------------|--------------|----------|----------|-----------|
|   |          |          | 5             |                |                         |              |          |            |          |          |   |                 | - F      |  |          |          |           | Т        | Π               |                 |           |      |       |            |              |                 |          |  |            |              |          | Γ        |           |
| Final                                     | Original | 6/27/05  | 10/17/05      |                |                         |              |          |            |          |          |   | Final           | Original |  |          |          |           |          |                 |                 |           |      | Final | Original   |              |                 |          | Ī  |            | ł            |          |          | 1 1       |
| iĒ  | Ę        | 6/2      | 5             |                |                         | l            |          |            |          |          |   | 這               | Ę        |  |          |          |           |          |                 |                 |           |      | ı T   | į          |              |                 |          |  |            |              |          | ĺ        |           |
|   |          | Ľ        | _             |                |                         |              |          |            |          |          |   |                 | ١        | _  |          |          |           |          |                 |                 |           |      |       |            |              | L               |          |  | l          |              |          |          |           |
| 1   | 1_       | +        | =             |                |                         |              |          |            |          |          |   | <u></u>         | 51       | 上  |          |          |           | _        |                 |                 |           |      |       | 101        | L            |                 |          |  |            |              |          |          |           |
| 2   | 2        | ÷        | =             |                | _                       | _            |          |            |          |          |   |                 | 52       | L  |          |          |           | ┸        | L               |                 |           |      |       | 102        |              |                 |          |  |            |              |          |          |           |
| 3   | 3        | +        | =             |                | 4                       | _            | _        |            |          |          |   | <u></u>         | 53       | <u> </u>   |          | 4        | 4         | _        | ↓_              |                 | Ш         |      |       | 103        | L            | _               | <u> </u> |  | 匚          | _            |          |          |           |
| 4   | 4        | ÷        | =             | $\vdash$       | -                       |              |          | _          | Щ        |          |   |                 | 54       | L  |          | 4        | 4-        | ↓_       | <u> </u>        | Ш               | Щ         |      |       | 104        |              | <u> </u>        |          | L  | _          |              | _        | _        |           |
| 5   | 5        | ÷        | =             |                | -                       | -1           | -        | _          |          |          | 4 | <u> </u>        | 55       | L  | Ш        | _        | _         | $\perp$  |                 |                 |           |      |       | 105        | ↓_           | <u> </u>        |          | <u> </u>   | ļ          | _            |          | $\vdash$ | Ш         |
| 6   | 6        | +        | =             | $\dashv$       |                         | $\dashv$     |          |            |          |          |   | -               | 56       | H  | Н        | -        | 4-        | ┿        |                 |                 | Ш         |      |       | 106        | _            | <u> </u>        |          | _  | <u> </u>   | <u> </u>     | L        | _        | Ш         |
| 7   | 7        | +        | =             | -              | $\dashv$                | $\dashv$     |          | -          | Н        | _        |   | <u> </u>        | 57       |  | $\dashv$ | $\dashv$ | +         | +        | —               | -               | $\square$ |      |       | 107        | ├-           | _               | <u> </u> | -  |            | <u> </u>     | _        | _        | Ш         |
| 9   | 8        | +        | 0 =           | -              | $\dashv$                | $\dashv$     | $\dashv$ | -          | $\vdash$ | _        |   | $\vdash$        | 58<br>59 | <u> </u>   | $\dashv$ | +        | +         | -        | -               |                 | <u> </u>  |      |       | 108        | <del> </del> | ┡               | _        | ⊢  | <b> </b> _ | <u> </u>     | _        | <u> </u> | Ш         |
| 10  | 10       | ÷        | =             | -              | $\dashv$                | $\dashv$     | $\dashv$ | Н          | H        | -        |   | _               | 60       |  | -        | +        | +         | ╁        | ├-              | $\vdash$        | <u> </u>  |      |       | 109<br>110 | -            | _               | ┝        | ├  | ⊢          | ├            | <u> </u> | <u> </u> | $\vdash$  |
| 11  | 11       | ÷        | =             | $\dashv$       | $\dashv$                | $\dashv$     | $\dashv$ |            | $\vdash$ | -        |   | -               | 61       | -  |          |          | +-        | +        | ┢┈              | $\vdash$        | $\vdash$  |      |       | 111        | -            | ╁               | -        | -  | ┢          | <del> </del> |          | H        | Н         |
| 12  | 12       | ÷        | =             | $\vdash$       | $\dashv$                | $\dashv$     | $\dashv$ | Н          | $\vdash$ |          |   | $\vdash$        | 62       | <del>                                     </del> |          | +        | +         | +        | $\vdash$        | $\vdash \vdash$ | $\dashv$  |      |       | 112        | $\vdash$     | $\vdash$        | _        | ⊢  | $\vdash$   | ╁            | $\vdash$ | $\vdash$ | Н         |
| 13  | 13       | ÷        | =             | +              | $\dashv$                | $\dashv$     |          | Н          | $\vdash$ | -        |   | Н               | 63       |  | $\dashv$ | +        | +         | +-       | 1               | $\vdash$        | $\dashv$  |      |       | 113        | $\vdash$     | $\vdash$        | H        | <del>                                     </del> | -          | $\vdash$     | $\vdash$ | Н        | $\vdash$  |
|   | 1#       | ÷        | Н             | _              | $\dashv$                | $\dashv$     | $\dashv$ | $\dashv$   | $\vdash$ |          |   | H               | 64       |  | $\dashv$ | $\dashv$ | +         | +        | +-              | $\vdash$        | H         |      |       | 114        | $\vdash$     | $\vdash$        | -        | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$  |
|   | 1,5      | ÷        |               | $\neg \dagger$ | 寸                       | 寸            | $\neg$   |            |          |          |   |                 | 65       | Н  | $\dashv$ | $\dashv$ | +         | +-       | $\vdash$        | Н               | $\Box$    |      |       | 115        | $\vdash$     | -               | _        | $\vdash$   |            |              |          | $\vdash$ | Н         |
|   | 16       | ÷        |               |                | ヿ                       | ヿ            |          |            |          |          |   |                 | 66       | П  |          | 1        | T         | T        | 1               | $\Box$          |           |      |       | 116        | T            |                 |          |  |            |              |          |          | Н         |
|   | 17       | ÷        |               |                |                         |              |          |            |          | -        |   |                 | 67       |  | $\neg$   | 十        |           | 1        |                 |                 |           |      |       | 117        | <u> </u>     |                 | _        | $\vdash$   |            |              |          | $\vdash$ | Н         |
|   | 18       | ÷        |               |                | $\neg$                  |              | 寸        |            |          |          |   |                 | 68       | П  | $\Box$   | $\top$   | $\top$    | T        |                 | $\Box$          |           |      |       | 118        | Г            |                 |          |  | _          | $\vdash$     |          |          | П         |
|   | 19       | +        |               |                | 丁                       |              |          |            |          |          |   |                 | 69       | П  |          |          | T         | T        |                 |                 |           |      |       | 119        | İ            |                 | _        | $\vdash$   |            |              | П        |          | П         |
|   | 20       | ÷        |               |                |                         |              |          |            |          |          |   |                 | 70       |  | $\neg$   |          | $\top$    |          |                 |                 |           |      |       | 120        |              |                 |          |  |            |              |          |          |           |
|   | 2        | ÷        |               |                |                         |              |          |            |          |          |   |                 | 71       |  | $\Box$   |          | T         | Τ        |                 |                 |           |      |       | 121        |              |                 |          |  |            |              |          |          | П         |
|   | 22       | ÷        |               |                | $\Box$                  |              |          |            |          |          |   |                 | 72       |  |          |          |           |          |                 |                 |           |      |       | 122        | Г            |                 |          |  |            |              |          | П        | П         |
|   | 28       | ÷        |               |                | $\perp$                 |              | _        |            |          |          |   |                 | 73       |  |          |          |           |          |                 |                 |           |      |       | 123        |              |                 |          |  |            |              |          | $\Box$   | $\Box$    |
| 14  | 24       |          | =             |                | ┙                       | _            | _        |            |          |          |   |                 | 74       |  |          |          |           |          |                 |                 |           |      |       | 124        |              |                 |          |  |            |              |          |          |           |
| 15  | 25       |          | =             |                |                         | _            | _        | _          |          |          |   |                 | 75       |  | _        |          | _         | _        | Ш               |                 | _         | 1    |       | 125        |              | Ш               |          |  |            |              |          |          |           |
| 16  | 26       |          | =             | _              | $\downarrow$            | $\dashv$     | $\dashv$ |            |          |          |   |                 | 76       |  | _        |          | _         | $\perp$  | Ш               |                 |           |      |       | 126        | _            | Ш               |          |  |            |              |          |          |           |
| 17  | 27       |          | =             | -              | 4                       | 4            | -        |            | $\dashv$ | _        |   |                 | 77       |  | _        |          |           | _        | Ш               | _               |           |      |       | 127        | $oxed{oxed}$ | Щ               |          | _  |            |              |          |          | Ш         |
| 18<br>19                                  | 28       | $\dashv$ | =             |                | +                       | +            | $\dashv$ |            |          | _        |   |                 | 78       | $\dashv$   | $\dashv$ | - -      | _         | -        |                 | _               |           |      |       | 128        |              | Щ               |          |  |            |              |          | $\Box$   | Ш         |
| 20  | 29<br>30 |          | $\rightarrow$ |                | +                       | +            |          |            |          |          |   |                 | 79       | $\dashv$   | $\dashv$ | +        |           | ┼        | $\vdash$        | -               |           |      |       | 129        |              | Н               |          |  |            |              |          | $\dashv$ | Щ         |
| 21  | 31       |          | = =           |                | +                       | $\dashv$     | $\dashv$ |            |          |          |   | $\vdash$        | 80       | -  | +        | -        | +         | -        | $\square$       |                 |           |      |       | 130        |              | $\square$       |          |  |            |              | _        | $\dashv$ | Н         |
| 22  | 32       | $\dashv$ | =             | +              | +                       | $\dashv$     | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$ |   |                 | 81<br>82 |  | -+       |          | +         | $\vdash$ | Н               | -               | $\dashv$  |      |       | 131        |              |                 | _        |  |            | _            |          |          | $\dashv$  |
| 23  | 33       | $\dashv$ | =             | -              | +                       | $\dashv$     | $\dashv$ | $\dashv$   | ᅱ        | $\dashv$ |   |                 | 83       | -  | $\dashv$ | +        | +-        | ╁        | Н               | -+              |           | -    |       | 132<br>133 | $\vdash$     |                 |          | _  |            |              | $\vdash$ |          | _         |
| ==  | 34       | $\dashv$ | _             | +              | +                       | $\dashv$     | $\dashv$ | -          | $\dashv$ | $\dashv$ |   | <del>  </del>   | 84       |  | $\dashv$ | +        | +         | +        | -               | $\dashv$        | $\dashv$  | •    |       | 134        | $\vdash$     | -               |          |  | _          |              |          | $\dashv$ |           |
|   | 35       | $\dashv$ | $\dashv$      | +              | ╅                       | -            | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$ |   | $\vdash \vdash$ | 85       | $\dashv$   | +        | +        | +         | +        | $\vdash \vdash$ | $\dashv$        |           | H    |       | 135        | -            | $\vdash \vdash$ | _        |  |            | $\vdash$     |          | $\dashv$ | $\dashv$  |
|   | 36       |          | _             | $\dashv$       | +                       | $\dashv$     | $\dashv$ |            | $\dashv$ | $\dashv$ |   | $\vdash \dashv$ | 86       | $\dashv$   | $\dashv$ | +        | +-        | $\vdash$ | H               | $\dashv$        | :         | ⊪    |       | 136        | $\vdash$     | $\vdash \vdash$ |          |  | $\dashv$   | $\vdash$     | $\dashv$ | $\dashv$ | $\dashv$  |
|   | 37       | _        | $\neg$        | $\dashv$       | 7                       | $\top$       | $\dashv$ | $\dashv$   | $\dashv$ | ᅥ        |   |                 | 87       | -1   | $\dashv$ | $\dashv$ | +-        | 1        | -               | 十               | -         | ıŀ   | _     | 137        | Н            | $\vdash$        | _        |  |            | $\vdash$     |          | $\dashv$ | $\dashv$  |
|   | 38       | 一        | 一             | 十              | †                       | _            | 十        | $\neg$     | 寸        | $\neg$   |   |                 | 88       | $\neg$   | $\dashv$ | _        | T         | $\vdash$ | $\vdash \vdash$ | $\dashv$        | -         | ıŀ   |       | 138        | -            | H               |          |  | H          | H            | $\dashv$ | $\dashv$ | $\dashv$  |
|   | 39       | T        | 7             | $\exists$      | 1                       | $\dashv$     | $\neg$   |            | $\neg$   |          |   |                 | 89       | 寸  | 十        | $\top$   | T         | Т        |                 | 一               | -         | ıŀ   |       | 139        | Н            | $\vdash$        | _        |  | $\vdash$   | $\vdash$     | _        | $\dashv$ | $\dashv$  |
|   | 40       |          |               |                | T                       | $\neg$       | $\neg$   |            | $\dashv$ |          |   |                 | 90       |  | $\dashv$ | $\neg$   | $\dagger$ | T        |                 | $\dashv$        | $\dashv$  | ı    |       | 140        |              | $\vdash$        | ٦        |  |            | H            |          | $\dashv$ | $\dashv$  |
|   | 41       |          |               |                | _                       |              |          |            |          |          |   |                 | 91       |  | $\top$   | $\dashv$ | 1         |          |                 | $\dashv$        | 7         | ı    |       | 141        | П            | $\vdash$        |          |  |            | Н            |          | ᅥ        | $\dashv$  |
|   | 42       |          |               |                | I                       | T            |          | J          |          |          |   |                 | 92       |  | $\Box$   |          | T         |          | П               | 7               |           |      |       | 142        | П            |                 |          |  |            | П            | $\neg$   | $\neg$   | $\exists$ |
| لبا                                       | 43       |          |               |                | $oldsymbol{\mathbb{I}}$ | $oxed{oxed}$ | $\Box$   | $\Box$     | $\Box$   |          |   |                 | 93       |  |          | I        | Ι         |          |                 |                 |           |      |       | 143        |              |                 |          |  |            |              |          | ヿ        | $\neg$    |
| $\vdash$                                  | 44       | $\perp$  | _[            |                | $\perp$                 | $\bot$       | $\bot$   |            | $\Box$   |          |   |                 | 94       |  |          | $\perp$  |           |          |                 | $\Box$          |           |      |       | 144        |              |                 |          |  |            |              |          |          |           |
| $\vdash$                                  | 45       | _        | _ļ            | $\perp$        | $\perp$                 | 4            | _        | ļ          | _        | _        |   |                 | 95       | _  | $\perp$  |          |           |          |                 | $\Box$          | _]::      |      |       | 145        |              |                 |          |  |            |              |          |          |           |
| $\vdash \!\!\!\! - \!\!\!\!\! \downarrow$ | 46       | _        | _             | $\bot$         | 4                       | $\dashv$     | 4        | _          | _        | _        |   | $\Box$          | 96       | $\dashv$   | _        | $\perp$  | $\perp$   | Щ        | Ш               | $\bot$          | _         |      |       | 146        |              |                 |          |  |            |              | $\Box$   | $\Box$   |           |
|   | 47       |          |               | +              | +                       | +            |          | _          | 4        | _        |   |                 | 97       | _  |          |          | _         | _        | Ш               |                 | _         |      |       | 147        |              |                 |          |  |            |              |          | $\Box$   |           |
| <del>  </del>                             | 48       | -        | -             | -              | +                       | -            | -        |            | 4        | 4        |   |                 | 98       | _  | 4        | - -      | +         | -        | Ш               | $\dashv$        | _         | ١,   |       | 148        |              | $\dashv$        | _        | $\Box$   | _          |              |          |          | _         |
|   | 49<br>50 |          | $\dashv$      | +              | +                       |              |          |            | -        | _        |   |                 | 99       | _  | -+       | -        | +         | $\vdash$ | $\square$       | $\perp$         | 4         | ı    |       | 149        | $\Box$       |                 |          |  |            |              | _        | _        | _         |
| لــــــا                                  | อบ       | l        |               |                |                         | L            | $\perp$  |            |          |          |   |                 | 100      | - 1  |          |          | 1         | 1        |                 |                 | - [:      | :::[ | ı     | 150        |              |                 |          |  | - 1        | - 1          | - 1      | - 1      | - 1       |